# Final Project Closeout Report For Building 449A

August 11 2003

Remediation, Industrial D&D, and Site Services Kaiser-Hill Company, LLC

Review for Classification

Name:

Date: 8/12/03

ADMIN RECORD

IA-A-001645

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#### I. Introduction

The Building 449A closure project was completed in accordance with the Rocky Flats Compliance Agreement Standard Operating Protocol (RSOP) for Facility Disposition and the RSOP for Facility Component Removal, Size Reduction, and Decontamination Activities. This document was prepared in accordance with Facility Disposition Program Manual and summarizes the actions taken and the final condition of Building 449A.

Building 449A was located on the south half of Rocky Flats Environmental Technical Site (RFETS), just south of Cottonwood Ave between 3<sup>rd</sup> and 7<sup>th</sup> streets, southeast side of Building 444 (See RFETS Building 449A Final Closeout Report Plot Plan, Appendix 1). The structure is within the 444 Cluster. Various Maintenance Groups used Building 449A Maintenance Annex to support Building 444 Operations. Recent operations include minimal use by the Telecommunications Group.

Decontamination and Decommissioning (D&D) effort required dismantlement and removal of interior equipment and chemical decontamination of interior surfaces, removal of all supporting structures, and utilities.

Based on the analysis of radiological, chemical, and physical hazards, Building 449A was classified as Rocky Flats Compliance Agreement (RFCA) Type 2 facilities pursuant to the RFETS Decommissioning Program Plan (DPP; K-H 1999).

# II. Action Description

D&D work included removal of all equipment systems, building structures, utilities (electrical and mechanical disconnects), some decontamination of overhead structures, and demolition and cleanup of the Building 444 Complex Perimeter Buildings. Electrical power and telephone line services were provided to Building 449A through Building 449. These lines were removed during the demolition of Building 449. The only above grade structure left in place was the asphalt pavement where the building was located; there are no lines or utilities under the pavement. In summary, the project consisted of decontamination, dismantling of systems and equipment, pre-demolition surveys, facility demolition, hazardous waste segregation, and waste packaging and disposal. Asbestos containing materials and hazardous-waste items were removed prior to demolition and disposed of in compliance with Colorado Department of Public Health and Environment (CDPHE) and Environmental Protection Agency (EPA) regulations. All demolition debris was managed and disposed of in compliance with regulations governing debris disposal, as applicable.

There was no concrete removal associated with this facility. Environmental media beneath and surrounding the facility will be addressed at a future date using the Soil Disturbance Permit process and in compliance with the Industrial SAP and ER RSOP, as appropriate.

Building 449A was located directly southeast of Building 444. The physical size of Building 449A was approximately 34 feet wide X 40 feet long X 18 feet high at the roof peak. Two 40 feet X 8 feet X 8 feet steel conex containers were connected to the east and west sides of the building. The conex container located on the west side of the building was disposed of as sanitary waste with fixed beryllium contamination. The conex container located on the east side of the building was declared excess, given unrestricted property released approval, and sent to PU&D for reutilization. See attached Declaration of Excess, Appendix 2.

#### III. Verification That Action Goals Were Met

Five action objectives were established for the Building 449A Removal Project prior to beginning the demolition, during demolition, and after demolition:

 Decontamination of the facility (as necessary) to support release for decommissioning per site approved procedures.

The facility was decontaminated to free-release standards and placed in the off-site landfill or declared excess material and sent to PU&D for unrestricted property released.

• Decommissioning the facility in accordance with RFCA and applicable or relevant and appropriate requirements.

RFCA and other relevant requirements were complied throughout the project. Documents including RFETS RLCR, RSOP for Facility Disposition, Regulatory Contact Records, Demolition Approval Notice, and follow-up investigation sampling results were obtained and provided to CDPHE for review and concurrence, as appropriate. See Appendix 5 for Regulatory Contact Records and Demolition Approval Notice. See Appendix 4 for Follow-up Investigation Sampling for Beryllium.

• Complete decontamination and decommissioning activities in a manner that is protective of site workers, the public and the environment.

Decontamination and decommissioning activities were completed within regulatory requirements. Site specific requirements including work-site and task specific training, personal protective equipment, job site safety and health inspections, heavy equipment hazards, as well as other project specific demolition requirements, were evaluated and oversight provided.

Demolish 449A facility structures and utilities.

Demolition consisted of equipment removal, building structures, utilities and some decontamination. There were no underground utilities.

• Environmental Restoration for characterization as well as sampling and analysis of native soils under the former building asphalt pad and reclamation of the site.

Removal of the asphalt pad will be done during future D&D activities within the 444 Cluster. Areas occupied by Building 449A will be included in Environmental Restoration's characterization of IHSS Group 400-3 (Building 444/447 cluster). Remediation activities, if required, will be conducted according to the Environmental Restoration RFCA Standard Operating Protocol (ER RSOP) for Soil Remediation.

#### IV. Verification of Treatment Process

Not applicable to this project.

# V. Radiological Analysis

A Reconnaissance Level Characterization (RLC) was performed to enable facility "Typing" per the DPP and compliant disposition and waste management. Because the facility was anticipated to be Type I facility, the characterization was performed in accordance with the Pre-Demolition Survey Plan (MAN-127-PDSP). All facility surfaces were characterized including the interior and exterior surfaces (i.e., floors slab, wall, ceilings, and roof). Results indicated that no radiological contamination existed in excess of the PDSP unrestricted release limits of DOE Order 5400.5. A copy of Building 449A Reconnaissance Level Characterization Report can be found in Appendix 3 of this document.

Initial exterior TSA measurements did indicate elevated activity above the transuranic DCGL<sub>w</sub> values. Additional coupon samples were collected and analyzed by gamma spectroscopy, result confirmed all activity was due to uranium and other naturally occurring isotopes. All elevated readings were less than the uranium DCGL<sub>w</sub> values. The radiological survey unit packages are maintained in the RISS Characterization Project files for review.

#### VI. Demolition Survey Results

Performance monitoring for Radionuclides during Building 449A demolition was not required. All elevated readings were less than the uranium DCGL<sub>w</sub> values. Fugitive dust emissions control was addressed prior to initiating demolition activities. Controlled water spray was planned, but not required due to minimal dust emissions during demolition of Building 449A.

Beryllium contamination was found in the overhead structures of Building 449A. These portions of Building 449A were decontaminated and post-decontamination smear results were less than the investigative level of  $0.1 \mu g/100 cm^2$ . Since Building 449A was partially contaminated the structure was deemed Type 2 facility. CDPHE requested additional characterization of the attic portion of Building 449A before the PDS could be considered completed. Subsequent follow-up investigation sampling was performed. Additional beryllium surface samples were collected on the overhead structures inside Building 449A. All samples results were less than the PDSP unrestricted release criteria (0.2  $\mu g/100 cm^2$ ) as well as less than the PDSP investigation criteria (0.1 – 0.2  $\mu g/100 cm^2$ ). See Appendix 4, for Building 449A Follow-up Investigation Sampling for Beryllium.

## VII. Waste Steam Disposition

No.	Waste Type	Material Transfer and Disposal Facility
1.	Sanitary Disposal	
	Disposal Site:	BFI, Tower Road Landfill, Commerce City, CO
w·	Waste Volume (m3)	61.0 cubic meters
	Waste Weight (tons)	10.3 tons

2.	Hazardous Disposal	Kettleman Hills facility, Kettleman City, CA or						
	-	Bethlehem Apparatus Co, Hellertown, PA						
	Waste Volume (m3):	Minor amounts						
	Additional Information:	Electronic circuit boards, thermostats, exit signs, batteries, fluorescent lights bulbs and any other RCRA hazardous components were removed and taken for combination with like waste streams for disposal.						
3.	TSCA Waste Disposal:	Salesco, Phoenix, AZ, Clean Harbors Deer Park, Deer Park, TX; or FBI Tower Rd. Landfill, Commerce City, CO.						
	Waste Volume (m3):	Minor amounts						
	Additional Information:	PCB ballasts were removed and packaged for disposal.						
4.	Property Disposition:							
	Receiver Location	RFETS ILSI						
	Items(s)	Conex Container, PCN#00019938-00						

## VIII. Deviations From the Decision Document

Building 449A was anticipated to be Type 1 facility; however, beryllium contamination was found in overhead structures and the building designated Type 2 facility. These portions were decontaminated and post-decontamination smear results were less than the PDSP unrestricted release criteria  $(0.2 \,\mu\text{g}/100\text{cm}^2)$  as well as less than the PDSP investigation criteria  $(0.1 \,\mu\text{g}/100\text{cm}^2)$ .

# IX. Description of Site Condition at End of Decommissioning

All above ground structures along with the supporting stanchions and power drop have been removed. The only above ground structure left in place is the asphalt pavement. See Section III, 5<sup>th</sup> Bullet, for final disposition of the asphalt pavement.

## X. Demarcation of Waste Left In Place

Removal and segregation of the asphalt pad from other wastes will be done during future D&D activities within the 444 Cluster. See Section III, 5<sup>th</sup> Bullet, for final disposition of the asphalt pavement.

#### XI. Dates and Duration's of Project Activities

Beginning in August 2002, and continuing through February 2003, loose property removal, and some equipment dismantlement, and decontamination was accomplished by Rocky Flats Closure Site Services (RFCSS). RFCSS is the Facility Management Subcontractor for the area, reporting to Kaiser-Hill (KH). In February 2003, T-P Enterprises, Inc. commenced the actual demolition project with project management performed by RISS. Following are the dates and/or duration of the key activities for the Building 449A demolition project:

Ac	tivity Description	Completed/Obtained
•	Release Evaluation approvals	Nov 4, 02 through Jan 23, 03
•	RLCR Approval (CDPHE)	Dec 24, 02
•	Decontamination	Jan 22, 03
•	Demolition Approval Notices	Jan 27, 03
•	Decontamination follow-up notification (CDPHE)	Feb 5, 03
•	RFCA RSOP for FD Notification (to DOE)	Feb 7,03
•	Demolition	Feb 12, 03 through Feb 17, 03

# XII. Final Disposition of Wastes

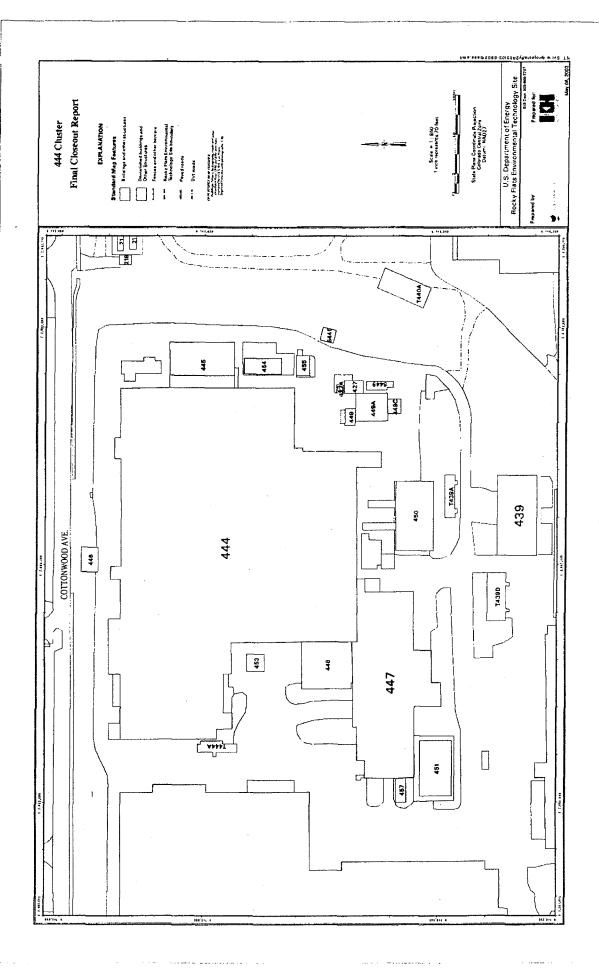
See Section VII.

# XIII. Next Steps for Building 449A

Environmental media beneath and surrounding the facility was not within the scope of this Project and will be addressed at a future date using the Soil Disturbance Permit process and in compliance with RFCA (See Section III, 5<sup>th</sup> bullet).

# **APPENDIX 1**

**Building 449A Final Closeout Report Plot Plan** 



# **APPENDIX 2**

# **Declaration of Excess**

RFP F4420.02 Rev. 11/98

Declaration of Excess

016224

If the, by signifing beloke, I certify that all bazardous Misterial Constituents have a ransived from the Property Certification for Remote Hazardous Material Dr Traveler No. DYES 1-24.03 0.00 0.00 0.00 Unit of T. SE OF ŧ Recuest Date OCN # 000/9932-00 CONEX CONTAINER Costal Ballong Descripcion/Menutacurentifodel Number U "Ne ECLProliferation" Concern 2287/212-1645 "Kieth Riek" Review Ceraffication O "High Rital" Property Serief Humber MENTEL Urreinfeld Propert Rethese Abbaroins The deore described francis! has been been and'or Reviolopically starried is abbarden RSF is of and it appraise for Unrestricted Property Costodes , Marce (Please Print) Property Control Number PIWITE NE 030122 Property Release Log A'o 52 \$ 5 8 8 6 8 8 õ 70 8

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# **APPENDIX 3**

**Building 449A Reconnaissance Level Characterization Report** 



# Rocky Flats Environmental Technology Site

# RECONNAISSANCE LEVEL CHARACTERIZATION REPORT (RLCR)

444 CLUSTER CLOSURE PROJECT
Buildings 427, 449, 449A, 449C, S449, 453, 454 & 457 Pad

**REVISION 0** 

September 23, 2002

CLASSIFICATION REVIEW NOT REQUIRED PER EXEMPTION NUMBER CEX-005-02

# **APPENDIX 4**

Building 449A Follow-up Investigation Sampling for Beryllium

# TATES OF THE

# Department of Energy

ROCKY FLATS FIELD OFFICE 10808 HIGHWAY 93, UNIT A GOLDEN, COLORADO 80403-8200

FEB 0 5 2003

03-DOE-00102

Mr. Steven H. Gunderson Rocky Flats Cleanup Agreement Project Coordinator Colorado Department of Public Health and Environment 4300 Cherry Creek Drive South Denver, Colorado 80246-1530

Dear Mr. Gunderson:

This letter documents the results of the follow-up investigation to find beryllium in samples taken in Building 449A and the post-decontamination beryllium samples taken in Building 453. This information is provided in response to the James Hindman request.

Eleven additional beryllium samples were collected on the overhead structures inside Building 449A, all samples results were less than the Pre-Demolition Survey Plan (PDSP) unrestricted release criteria (0.2 ug/100cm²) as well as less than the PDSP investigation criteria (0.1 ug/100cm²). Refer to the enclosed Building 449A sample results table and sample map for the results of the additional samples.

Elevated beryllium was identified in the Reconnaissance Level Characterization Report (RLCR) inside Building 453 on the rollup door and the west wall. These areas were decontaminated and post-decontamination samples were obtained, the sample results showed 5 of 20 locations with activity between 0.1 - 0.2 ug/100cm<sup>2</sup>, but no activity above 0.2 ug/100cm<sup>2</sup>. The area was again decontaminated and post-decontamination samples were obtained, the sample results showed 2 of 15 locations with activity between 0.1 - 0.2 ug/100cm<sup>2</sup>, and one sample above 0.2 ug/100cm<sup>2</sup> (0.25 ug/100cm<sup>2</sup>). The area was decontaminated a third time and post-decontamination samples were obtained, all 15 sample results were less than 0.1 ug/100cm<sup>2</sup>.

The decon methods used in Building 453 are described below:

#### First Decon

The first decon method involved the following:

- Mopping and wet wiping the floor.
- Wet wiping north rollup door lip.
- Decon personnel worked under an approved Beryllium Work Form and craft work package.
- Appropriate Personal Protective Equipment (PPE) and air monitoring was performed during the decon work.

2

#### Second Decon

The second decon method involved the following:

- Vacuuming loose debris from floor.
- Wet wiped contaminated areas with mariko and kimwipes. These areas were wiped
   2-3 times.
- Wet mopped the remaining floor area within the building with a new mop.
- Wet wiped the north rollup door lip.
- Decon personnel worked under an approved Beryllium Work Form and craft work package
- Appropriate PPE and air monitoring was performed during the decon work

#### Third Decon

The third decon method involved the following:

- Wet wiped floor with mariko and kimwipes. The floor was wiped 3 times.
- Vacuumed and wet wiped overhead surfaces with mariko and kimwipes. These surfaces were wiped 2 times.
- Decon personnel worked under an approved Beryllium Work Form and craft work package.
- Appropriate PPE and air monitoring was performed during the decon work.

Based on the third post-decon smear results, Building 453 is now below PDSP unrestricted release criteria for beryllium, as well as all other contaminants of concern as documented in the Building 453 RLCR. Refer to the enclosed Building 453 sample results table and sample maps for the post-decontamination beryllium sample results. Since Buildings 449A and 453 meet all PDSP Data Quality Objectives and unrestricted release criteria for all contaminants of concern, these buildings are ready for demolition or sale.

Sincerely.

Richard J. DiSalvo

Acting Assistant Manager

for Environment and Stewardship

## Enclosure

cc w/o Encl:

S. Tower, AMP, RFFO

C. Freiboth, K-H RISS

D. Parsons, K-H RISS

S. Nesta, K-H RISS

T. Rehder, USEPA

cc w/Encl:

Administrative Record

Additional B449A and B453 Beryllium Data Summary Results

(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Point Location		(100/100 cm <sup>2</sup> )
		Building 449A	(1172 201 821)
449A-01082003-603-001	100	B449A Main Room Attic - On rafter above entrance hatch	< 0.1
449A-01082003-603-002	005	B449A Main Room Attic - on electrical box in overhead	< 0.1
449A-01082003-603-003	003	B449A Main Room Attic - on angled rafter	< 0.1
449A-01082003-603-004	\$	B449A Main Room Attic - on horizontal mer	< 0.1
449A-01082003-603-005	2005	B449A Main Room Attic - on light cover	× 0.1
449A-01082003-603-006	900	B449A Main Room Attic - on light cover	< 0.1
449A-01082003-603-007	200	B449A Main Room Attic - on angled rafter	× 0.1
449A-01082003-603-008	800	B449A Main Room Attic - on horizontal rafter	- 10>
449A-01082003-603-009	600	B449A Main Room Attic - on light cover	< 0.1
449A-01082003-603-010	010	B449A Main Room Attic - on horizontal rafter	<01
449A-01082003-603-010	011	B449A Main Room Attic - on electrical box in overhead	100
449A-01082003-603-010	012	Blank	< 0.1
449A-01082003-603-010	013	Blank	< 0.1
		B453 Post-Decontamination #1	
453-11132002-213-299	299	Blank	107
453-11132002-213-300	300	Blank	-00
453-11132002-213-301	301	B453 - SW floor	0.11
453-11132002-213-302	302	B453 - SW floor	0.14
453-11132002-213-303	303	B453 - NW floor	< 0.1
453-11132002-213-304	304	B453 - NW floor	0.12
453-11132002-213-305	305	B453 NE floor	0.14
453-11132002-213-306	306	B453 - NE floor	< 0.1
453-11132002-213-307	307	B453 - SE floor	< 0.1
453-11132002-213-308	308	B453 SB floor	< 0.1
453-11132002-213-309	309	B453 - on SE electrical box (#1 north)	< 0.1
453-11132002-213-310	310	B453 - on SB electrical box (#2 middle)	× 0.1
453-11132002-213-311	311	B453 - on lip of South garage door	× 0.1
453-11132002-213-312	312	B453 - on lip of North garage door	0.12
453-11132002-213-313	313	B453 - on floor East door	< 0.1
453-11132002-213-314	314	B453 - fire extinguisher on East wall	× 0.1
453-11132002-213-315	315	B453 - on S garage door and ribs	× 0.1
453-11132002-213-316	316	B453 - on N garage door and ribs	< 0.1
453-11132002-213-317	317	B453 - on SE electrical box	< 0.1
453-11132002-213-318	318	B453 – middle N floor	× 0.5
453-11132002-213-319	319	B453 - middle S floor	× 0.1
453-11132002-213-320	320	B453 - floor area of previous Be contamination	< 0.1
	٠	B453 Post-Decontamination #2	
453-11212002-213-291	291	B453- S door on motor/electrical hox	

Best Available Com

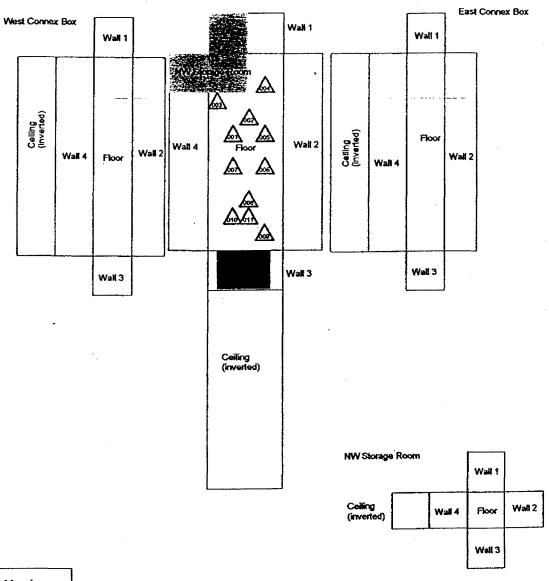
Result	$(ug/100 \text{ cm}^2)$	< 0.1	< 0.1	0,14	< 0.1	< 0.1	0.13	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.25	< 0.1	< 0.1	< 0.1		< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1
Sample Location		453 - S door on motor/electrical box	B453 - S door on top of rollup, west side	B453 - S door on top of rollup, east side	B453 - inside of ceiling mounted heater	B453 - N door on motor/electrical box	453 - N door on motor/electrical box	B453 - S door on top of rollup, east side	453 - S door on top of rollup, west side	453 - SW floar	B453 W floor	B453 - NW center floor	8453 - N door, bottom lip	B453 - NE floor, near door way	B453 - NW floor, comer	Blank	Blank	B453 Post-Decontamination #3	453 - NE floor, by door way	B453 - NB floor, by door way	453 - NE floor, by door way	B453 - NE floor, by door way	B453 - NB floor, by door way	B453 - NB floor, by door way	B453 - N end, on overhead motor/electrical box	B453 - N end, on overhead motor/electrical box	8453 - N floor, underneath decon motor	B453 - N floor, underneath decon motor	B453 - SW rollup door, top	453 – SW rollup door, top	B453 – SW rollup door, top	B453 - SW rollup door, top	B453 - SW rollup door, top	8453 – SW rollup door, top
Map Survey	Point Location					-					301			304		306				102				106	107	108	109	110	111	112	113	114	115	116
Sample Number		453-11212002-213-292	453-11212002-213-293	453-11212002-213-294	453-11212002-213-295	453-11212002-213-296	453-11212002-213-297	453-11212002-213-298	453-11212002-213-299	453-11212002-213-300	453-11212002-213-301	453-11212002-213-302	453-11212002-213-303	453-11212002-213-304	453-11212002-213-305	453-11212002-213-306	453-11212002-213-307		453-12172002-603-101	453-12172002-603-102	453-12172002-603-103	453-12172002-603-104	453-12172002-603-105	453-12172002-603-106	453-12172002-603-107	453-12172002-603-108	453-12172002-603-109	453-12172002-603-110	453-12172002-603-111	453-12172002-603-112	453-12172002-603-113	453-12172002-603-114	453-12172002-603-115	453-12172002-603-116

# ADDITIONAL OVERHEAD BERYLLIUM SAMPLES

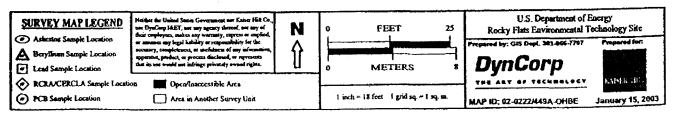
**Building: 449A Interior** 

PAGE 1 OF 2

# 449A Interior



Sample Numbers 449A-01082002-603-001 thru 011



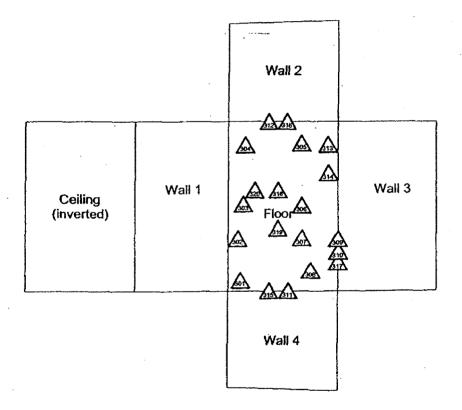


# **POST DECONTAMINATION #1**

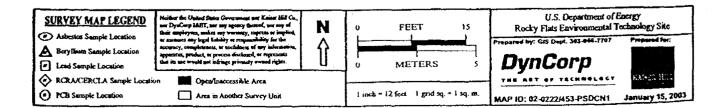
**Building: 453 Interior** 

PAGE 1 OF 1

# **B453** Interior



Sample Numbers 453-11132002-213-299 thru 320 (Blanks: 299 & 300)



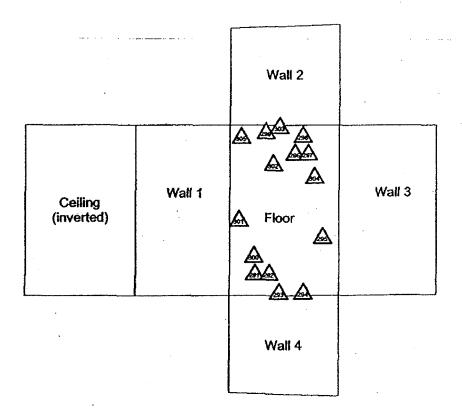
20

# **POST DECONTAMINATION #2**

Building: 453 Interior

PAGE 1 OF 1

# **B453 Interior**



Sample Numbers

453-11212002-213-291 thru 307 (Blanks: 306 & 307)

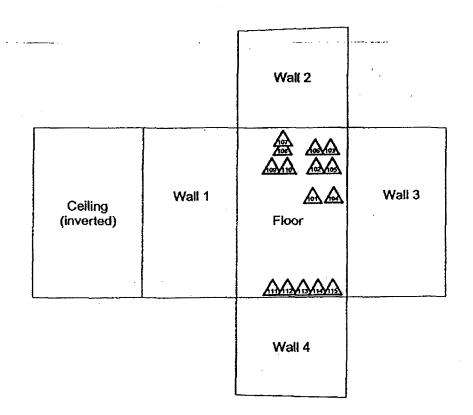
# SURVEY MAP LEGEND Ashestor Sample Location Berylinan Sample Location Lend Sample Location ReckACERCLA Sample Location PCB Sample Location Arca in Another Survey Unit Dending Location Arca in Another Survey Unit Dending Location Arca in Another Survey Unit Dending Location Link Location Open/Inaccessible Area Link Location I link = 12 feet | grid sq. = 1 sq. m. MAP 10: 02-02222453-PSDCN2 January 15, 2003

# **POST DECONTAMINATION #3**

**Building: 453 Interior** 

PAGE 1 OF 1

# **B453 Interior**



Sample Numbers
453-12172002-603-101 thru 115

ſ	SURVEY MAP LEGEND	Meither the United States Government now Keiner Hill Co., now DynCoap IddEI, not may narmay thereof, now may of their compleyons, makes may warmarly, copyright or implied.	o FEET 15	U.S. Department of Energy Rocky Flats Environmental Technology Site
1	Asbestos Sample Location  Asbestos Sample Location	or customes may logal facility or yrapographility for the accuracy, completeness, or excellations of any information, appearant, product, or process disclosed, or impresents		Proposed by: GIS Dopt. 383-895-7707 Proposed for:
	Lead Sample Location	that its use would set infringe privately owned rights.	0 METERS 5	DynCorp
ł	RCRA/CERCLA Sample Location	on Open/Inaccessible Area		THE ARY OF TECHBOLOGY KINER HILL
l	PCB Sample Location	Area in Another Survey Unit	linch ≈ 12 feet 1 grid sq. ≈ 1 sq. ma.	MAP ID: 02-0222/453-PSDCN3 January 15, 2003

RECEIVED

Bevised 12/02

DUE DATE

**ACTION** 

CORRES, CONTROL INCOMING LTR NO.

CORRESPONDE TATE OF COLORADO

<u>୭୭୦</u>03 RFQ ₫

Bill Owens, Governor

Douglas H. Benevento, Acting Executive Director

Dedicated to protecting and improving the health and environment of the people of Colorado

4300 Cherry Creek Dr. S. Denver, Colorado 80246-1530 Phone (202) 482-2000

Phone (303) 692-2000 TDD Line (303) 691-7700 Located in Glendale, Colorado

http://www.cdphe.state.co.us

Laboratory and Radiation Services Division

8100 Lowry Blvd. Denver, Colorado 80230-6928

(303) 692-3090

Colorado Department
of Public Health
and Environment

LTAT DIST BOGNAR, E DECK, C. A. DEGENHART, K DIETERLE, S. E FERRERA D.W FERRI, M.S. GERMAIN, A. L. GLACOMINI, J. J. ISOM, J. H. LINDSAY, D. C LONG, J. W. LYLE, J. L. MARTINEZ, L. NAGEL, R. E NORTH, K. POWERS, K SHELTON, D.C SPEARS, M.S. WILLIAMS, J. L EREIBOTH, C

December 24, 2002

Mr. Joseph A. Legare, Assistant Manager Environment and Stewardship U.S. Department of Energy, RFFO 10808 Highway 93, Unit A Golden, CO 80403-8200

RLCR for Buildings 427, 449, 449A, 449C, S449, 453, 454, and the 457 Pad at the Rocky Flats Environmental Technology Site (RFETS)

Dear Mr. Legare:

RE:

The Colorado Department of Public Health and Environment, Hazardous Materials and Waste Management Division (the "Division") has completed reviewing the RFETS Reconnaissance Level Characterization Report (RLCR) for the 444 Cluster Closure Project Buildings 427, 449, 449A, 449C, S449, 453, 454 & 457 Pad (Revision 0, dated September 23, 2002). On December 11, 2002, Division representatives toured these facilities accompanied by RFETS personnel. The Division has also reviewed the revised pages to the RLCR submitted via e-mail on December 17, 2002. In accordance with Section 3.3.4 of the Decommissioning Program Plan, the Division hereby concurs with the determination that Buildings 427, 449, 449C, S449, 454 and the 457 Pad are Type 1 facilities. Additionally, the Division concurs that Buildings 449A and 453 are Type 2 facilities. In accordance with the protocols approved per the final Rocky Flats Cleanup Agreement (RFCA), activities in these facilities involving decontamination, the removal of facility components, and demolition will need to follow the proper notification procedures, work control practices, and the RFCA consultative process. Additional characterization of the attic portion of Building 449A will be necessary before the Pre-Demolition Survey (PDS) of this facility can be considered complete. However, the connex container incorporated into the western portion of Building 449A may be removed for use as a beryllium waste container without additional characterization or decontamination, as long as the other portions of Building 449A are not disturbed. If you have any questions regarding this matter please contact James Hindman at (303) 692-3345.

COR CONTROL X ADMN. RECORD X PATS/130

BROOKS L.

Reviewed for Addressee Corres, Control RFP

Corres, Control RFP

16/03 By

Steven H. Gunderson RFCA Project Coordinator

Ref. Ltr. #

DOE ORDER#

cc: S

Sincerely,

S. Tower, DOE-RFFO

C. Freiboth, Kaiser-Hill

D. Shelton, Kaiser-Hill

T. Rehder, EPA Region VIII

D. Miller, AGO

Administrative Records, Building T130G

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# **APPENDIX 5**

Regulatory Contact Records and Demolition Approval Notice

# ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE REGULATORY CONTACT RECORD

Date/Time:

01/09/03 - 1350

Site Contact(s):

C. J. Freiboth (KH) – (CJF-057)

Phone:

(303) 966-2823

Regulatory Contact: James Hindman, CDPHE

Phone:

(303) 692-3345

Agency:

**CDPHE** 

**Purpose of Contact:** State (CDPHE) concurrence on Work Package T0110799-35 – D&D the Following B444 Outbuildings: B427, B427AA, B449, and B449A (with the exception of west conex), S449 and Paint Shack East of Outbuildings

# Meeting Attendance

C. J. Freiboth, KH PM

James Hindman, CDPHE

### Discussion

On November 20, 2002, at 1500, a copy of Work Package T0110799-35 – D&D the Following B444 Outbuildings: B427, B427AA, B449, and B449A (with the exception of west conex), S449 and Paint Shack East of Outbuildings, was provided to the State (Hindman).

On December 26, 2002, at 1510, the State (Hindman) agreed that since the RLCR has been approved for most of these buildings, State concurrence is not required on those buildings that are designated as Type I. Building 453, the contaminated Conex, and Building 449A will need to be addressed separately. The only item in T0110799-35 that will require their concurrence is the Paint Shack East of the Outbuildings.

On January 09, 2003, at 1350, the State (Hindman) concurred with the D&D of the wooden paint shed described in T0110799-35.



Contact Record 01/09/03

# Required Distribution:

P. Arnold, K-H

C. Deck, K-H

R. DiSalvo, RFFO

C. Gilbreath, K-H

S. Gunderson, CDPHE

T. Hopkins, K-H

L. Kilpatrick, K-H

J. Legare, RFFO

R. Leitner, K-H

J. Mead, K-H

S. Nesta, K-H

K. North, K-H

W. Prymak, DOE

T. Rehder, USEPA

D. Shelton, K-H

# Additional Distribution:

C. J. Freiboth, K-H

J. Hindman, CDPHE

S. Tower, DOE

# ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE REGULATORY CONTACT RECORD

Date/Time:

12/26/02 - 1440

Site Contact(s):

C. J. Freiboth (KH) – (CJF-046)

Phone:

(303) 966-2823

Regulatory Contact: James Hindman, CDPHE

Phone:

(303) 692-3345

Agency:

**CDPHE** 

Purpose of Contact: State (CDPHE) concurrence on Work Package T0110799-65 – Disconnect Mechanical Utilities to the Following B444 Outbuildings: B427, B427A, B449, and B449A (with the exception of west conex)

# **Meeting Attendance**

C. J. Freiboth, KH PM

James Hindman, CDPHE

#### Discussion

On November 6, 2002, at 1440, a copy of Work Package T0110799-65 – Disconnect Mechanical Utilities to the Following B444 Outbuildings: B427, B427A, B449, and B449A (with the exception of west conex), was provided to the State (Hindman).

On December 26, 2002, at 1440, during a meeting the State (Hindman) the work described in T0110799-65 was discussed. Upon completion of the discussion, concurrence to perform work in accordance with Work Package T0110799-65 was provided by the State (Hindman).

# Contact Record Prepared By: C. J. Freiboth

# **Required Distribution:**

P. Arnold, K-H

C. Deck, K-H

R. DiSalvo, RFFO

C. Gilbreath, K-H

S. Gunderson, CDPHE

T. Hopkins, K-H

L. Kilpatrick, K-H

J. Legare, RFFO

R. Leitner, K-H

J. Mead, K-H

S. Nesta, K-H

K. North, K-H

W. Prymak, DOE

T. Rehder, USEPA

D. Shelton, K-H

# **Additional Distribution:**

C. J. Freiboth, K-H

J. Hindman, CDPHE

S. Tower, DOE



# ROCKY FLATS ENVIRONMENTAL TECHNOLOGY SITE REGULATORY CONTACT RECORD

Date/Time:

08/08/02 - 1455

Site Contact(s):

C. J. Freiboth (KH) – (CJF-026)

Phone:

(303) 966-2823

Regulatory Contact: James Hindman, CDPHE

Phone:

(303) 692-6728

Agency:

**CDPHE** 

Purpose of Contact: State (CDPHE) notification of performance of electrical and telecommunication disconnects for Buildings 449 / 449A

# Meeting Attendance

C. J. Freiboth, KH PM

James Hindman, CDPHE

## Discussion

On August 8, 2002, at 1455, the State (Hindman) was informed that electrical and telecommunications disconnects would occur in Buildings 449 / 449A. The State (Hindman) requested that they would like to see the work package for mechanical disconnects for these facilities.

Contact Record Prepared By: C. J. Freiboth

#### **Required Distribution:**

P. Arnold, K-H

C. Deck, K-H

R. DiSalvo, RFFO C. Gilbreath, K-H

S. Gunderson, CDPHE

T. Hopkins, K-H

L. Kilpatrick, K-H

J. Legare, RFFO

R. Leitner, K-H

J. Mead, K-H

S. Nesta, K-H

K. North, K-H

W. Prymak, DOE

T. Rehder, USEPA

D. Shelton, K-H

## Additional Distribution:

C. J. Freiboth, K-H

J. Hindman, CDPHE

D. Kruchek, CDPHE

S. Tower, DOE

Contact Record 08/08/02 Rev. 2/7/02

# STATE OF COLORADO

Bill Owens, Governor Jane E. Norton, Executive Director

Dedicated to protecting and improving the health and environment of the people of Colorado

4300 Cherry Creek Dr. S. Denver, Colorado 80246-1530 Phone (303) 692-2000 TDD Line (303) 691-7700 Laboratory and Radiation Services Division 8100 Lowry Blvd.

Denver, Colorado 80230-6928

(303) 692-3090

Located in Glendale, Colorado http://www.cdphe.state.co.us



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# DEMOLITION APPROVAL NOTICE

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This approval notice is granted subject to Colorado Air Quality Control Commission Regulation No. 8, Part B, adopted September 19, 1996 and effective November 30, 1996, and the Air Quality Control Act C.R.S. 1982 & 1995 (25-7-101 and 25-7-501 et seq). This notice signifies that the structure was inspected for asbestos and CFCs and the demolition contractor has properly notified the Colorado Department of Public Health pursuant to Regulation No. 8, Part B. THE ORIGINAL APPROVAL NOTICE MUST BE POSTED ON SITE AT ALL TIMES.

As a contractor, you may have to obtain other demolition licenses and permits, depending on the requirements of the county and municipality in which the work is being performed. The Colorado Department of Public Health, Air Pollution Control Division strongly suggests that you check with county and municipal authorities in order to determine any other local building/permitting requirements that must be met.

This approval notice is valid from 02/03/2003 through 05/02/2003

The actual scheduled work dates are from 02/03/2003 through 05/02/2003

This approval notice has been issued to:

RFCSS LLC/ T. P. Enterprises 10808 Hwy 93, T334B Golden, CO 80403 For the location specified below:

Bldg. 449A 10808 Hwy 93, Unit B Golden, CO 80403 Jefferson County

Asbestos Building Inspector: David Lee Babbs

Inspection Date: 04/08/2002

Approval Issued on: 01/27/2003

Record Number: 37236 Notice Number: 03JE1085D Amount Paid: \$ 55 Check Number: 01195

Issued by:

Immediately notify the Asbestos Unit of project modifications by fax at 303-782-0278 and the appropriate county health department by fax. Project modifications include changes in the scope of work or the scheduled work dates.

#### III. Verification That Action Goals Were Met

Five action objectives were established for the Building 449A Removal Project prior to beginning the demolition, during demolition, and after demolition:

• Decontamination of the facility (as necessary) to support release for decommissioning per site approved procedures.

The facility was decontaminated to free-release standards and placed in the off-site landfill or declared excess material and sent to PU&D for unrestricted property released.

• Decommissioning the facility in accordance with RFCA and applicable or relevant and appropriate requirements.

RFCA and other relevant requirements were complied throughout the project. Documents including RFETS RLCR, RSOP for Facility Disposition, Regulatory Contact Records, Demolition Approval Notice, and follow-up investigation sampling results were obtained or provided to CDPHE for review and concurrence, as appropriate. See Appendix 5 for Regulatory Contact Records and Demolition Approval Notice. See Appendix 4 for Follow-up Investigation Sampling for Beryllium.

• Complete decontamination and decommissioning activities in a manner that is protective of site workers, the public and the environment.

Decontamination and decommissioning activities were completed within regulatory requirements. Site specific requirements including work-site and task specific training, personal protective equipment, job site safety and health inspections, heavy equipment hazards, as well as other project specific demolition requirements, were evaluated and oversight provided.

• Demolish 449A facility structures and utilities.

Demolition consisted of equipment removal, building structures, utilities and some decontamination. There were no underground utilities.

 Environmental Restoration for characterization as well as sampling and analysis of native soils under the former building asphalt pad and reclamation of the site.

Removal of the asphalt pad will be done during future D&D activities within the 444 Cluster. Areas occupied by Building 449A will be included in Environmental Restoration's characterization of IHSS Group 400-3 (Building 444/447 cluster). Remediation activities, if required, will be conducted according to the Environmental Restoration RFCA Standard Operating Protocol (ER RSOP) for Soil Remediation.

